

Name _____ Period _____

STUDY GUIDE: SCIENCE SKILLS

*Note: A large portion of your test will be composed of the “Break It Down” prefixes, suffixes, and their meanings. **STUDY THEM ALL!!!***

1. Write the meaning that corresponds with the following prefixes/suffixes:

exo- _____	osteo- _____	hemo- _____
arth- _____	hydro- _____	archae- _____
centi- _____	milli- _____	chloro- _____

2. Write the prefix/suffix that corresponds with the following meanings:

thousand _____	light _____	on, above _____
same _____	skin, layer _____	stone _____
large _____	small _____	life _____

3. _____ observations describe a quality or characteristic while _____ observations use numbers, so they are more exact.

4. A hypothesis that has been tested and confirmed often enough that it is unlikely to be disproved by future tests is called a _____.

5. Give 2 examples of quantitative observations.

6. The factor that differs because it is being tested in an experiment is the _____ while the _____ remains constant.

7. What are the 5 steps of the scientific method, in order?

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8. What units should be used to find the mass of a panda? _____ a penny? _____

9. What units should be used to find the length of a folder? _____ a fence? _____

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10. What units should be used to find the volume of
water in a pool? _____
water in a glass or pop in a can? _____
11. What units should be used to find the volume of a brick? _____ of a house? _____
12. What is the area of a rectangle with a width of 4cm and a length of 6cm?
13. What is the area of a rectangle with a width of 5cm and a length of 9cm?
14. What is the volume of a cube with a length of 2cm?
15. Measure the exact length of the following line in centimeters.
- <—————>
16. Measure the exact length of the following line in centimeters.
- <—————>
17. Round the following to the nearest whole number: 71.5 _____
18. Round the following to the nearest tenth: 23.44 _____
19. Round the following to the nearest tenth: 63.76 _____
20. Round the following to the nearest hundredth: 7.121 _____